

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

2
3 (1) General Information:
4
5 (i) APPLICANT: Soppet, Daniel R
6 Yi, Li
7 Rosen, Craig A
8 Ruben, Steven
9
10 (ii) TITLE OF INVENTION: G-Protein Parathyroid Hormone receptor
11 HTLDG74
12
13 (iii) NUMBER OF SEQUENCES: 8
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Human Genome Sciences, Inc.
17 (B) STREET: 9410 Key West Ave
18 (C) CITY: Rockville
19 (D) STATE: MD
20 (E) COUNTRY: USA
21 (F) ZIP: 20850
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER:
31 (B) FILING DATE:
32 (C) CLASSIFICATION:
33
34 (vi) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: 08/468,011
36 (B) FILING DATE: 06-JUN-1995
37 (C) CLASSIFICATION:
38
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: A. Anders Brookes
41 (B) REGISTRATION NUMBER: 36,373
42 (C) REFERENCE/DOCKET NUMBER: PF201D1
43
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: 201-994-1700
46 (B) TELEFAX: 201-994-1744

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PATENT APPLICATION US/09/236,468DATE: 02/10/1999
TIME: 16:12:13

INPUT SET: S30588.raw

47
48
49 (2) INFORMATION FOR SEQ ID NO:1:
50
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 2003 base pairs
53 (B) TYPE: nucleic acid
54 (C) STRANDEDNESS: single
55 (D) TOPOLOGY: linear
56
57 (ii) MOLECULE TYPE: cDNA
58
59
60 (ix) FEATURE:
61 (A) NAME/KEY: CDS
62 (B) LOCATION: 90..1712
63
64
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
66
67 GTTTGCTCTG GGCAGCCAAG TTGGCATATT GGAAGCTTTT TCCGGGCTCT GGAGGAGGGT 60
68
69 CCCTGCTTCT TCCTACAGCC GTTCCGGGC ATG GCC TGG CTG GGG GCG TCG CTC 113
70 Met Ala Trp Leu Gly Ala Ser Leu
71 1 5
72
73 CAC GTC TGG GGT TGG CTA ATG CTC GGC AGC TGC CTC CTG GCC AGA GCC 161
74 His Val Trp Gly Trp Leu Met Leu Gly Ser Cys Leu Leu Ala Arg Ala
75 10 15 20
76
77 CAG CTG GAT TCT GAT GGC ACC ATC ACT ATA GAG GAG CAG ATT GTC CTT 209
78 Gln Leu Asp Ser Asp Gly Thr Ile Thr Ile Glu Glu Gln Ile Val Leu
79 25 30 35 40
80
81 GTG CTG AAA GCG AAA GTA CAA TGT GAA CTC AAC ATC ACA GCT CAA CTC 257
82 Val Leu Lys Ala Lys Val Gln Cys Glu Leu Asn Ile Thr Ala Gln Leu
83 45 50 55
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85 CAG GAG GGA GAA GGT AAT TGT TTC CCT GAA TGG GAT GGA CTC ATT TGT 305
86 Gln Glu Gly Glu Gly Asn Cys Phe Pro Glu Trp Asp Gly Leu Ile Cys
87 60 65 70
88
89 TGG CCC AGA GGA ACA GTG GGG AAA ATA TCG GCT GTT CCA TGC CCT CCT 353
90 Trp Pro Arg Gly Thr Val Gly Lys Ile Ser Ala Val Pro Cys Pro Pro
91 75 80 85
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93 TAT ATT TAT GAC TTC AAC CAT AAA GGA GTT GCT TTC CGA CAC TGT AAC 401
94 Tyr Ile Tyr Asp Phe Asn His Lys Gly Val Ala Phe Arg His Cys Asn
95 90 95 100
96
97 CCC AAT GGA ACA TGG GAT TTT ATG CAC AGC TTA AAT AAA ACA TGG GCC 449
98 Pro Asn Gly Thr Trp Asp Phe Met His Ser Leu Asn Lys Thr Trp Ala
99 105 110 115 120

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100	AAT TAT TCA GAC TGC CTT CGC TTT CTG CAG CCA GAT ATC AGC ATA GGA	497
101	Asn Tyr Ser Asp Cys Leu Arg Phe Leu Gln Pro Asp Ile Ser Ile Gly	
102	125 130 135	
103		
104		
105	AAG CAA GAA TTC TGT GAA CGC CTC TAT GTA ATG TAT ACC GTT GGC TAC	545
106	Lys Gln Glu Phe Cys Glu Arg Leu Tyr Val Met Tyr Thr Val Gly Tyr	
107	140 145 150	
108		
109	TCC ATC TCT TTT GGT TCC TTG GCT GTG GCT ATT CTC ATC ATT GGT TAC	593
110	Ser Ile Ser Phe Gly Ser Leu Ala Val Ala Ile Leu Ile Ile Gly Tyr	
111	155 160 165	
112		
113	TTC AGA CGA TTG CAT TGC ACT AGG AAC TAT ATC CAC ATG CAC TTA TTT	641
114	Phe Arg Arg Leu His Cys Thr Arg Asn Tyr Ile His Met His Leu Phe	
115	170 175 180	
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117	GTG TCT TTC ATG CTG AGA GCT ACA AGC ATC TTT GTC AAA GAC AGA GTA	689
118	Val Ser Phe Met Leu Arg Ala Thr Ser Ile Phe Val Lys Asp Arg Val	
119	185 190 195 200	
120		
121	GTC CAT GCT CAC ATA GGA GTA AAG GAG CTG GAG TCC CTA ATA ATG CAG	737
122	Val His Ala His Ile Gly Val Lys Glu Leu Glu Ser Leu Ile Met Gln	
123	205 210 215	
124		
125	GAT GAC CCA CAA AAT TCC ATT GAG GCA ACT TCT GTG GAC AAA TCA CAA	785
126	Asp Asp Pro Gln Asn Ser Ile Glu Ala Thr Ser Val Asp Lys Ser Gln	
127	220 225 230	
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129	TAT ATC GGG TGC AAG ATT GCT GTT GTG ATG TTT ATT TAC TTC CTG GCT	833
130	Tyr Ile Gly Cys Lys Ile Ala Val Val Met Phe Ile Tyr Phe Leu Ala	
131	235 240 245	
132		
133	ACA AAT TAT TAT TGG ATC CTG GTG GAA GGT CTC TAC CTG CAT AAT CTC	881
134	Thr Asn Tyr Tyr Trp Ile Leu Val Glu Gly Leu Tyr Leu His Asn Leu	
135	250 255 260	
136		
137	ATC TTT GTG GCT TTC TTT TCG GAC ACC AAA TAC CTG TGG GGC TTC ATC	929
138	Ile Phe Val Ala Phe Phe Ser Asp Thr Lys Tyr Leu Trp Gly Phe Ile	
139	265 270 275 280	
140		
141	TTG ATA GGC TGG GGG TTT CCA GCA GCA TTT GTT GCA GCA TGG GCT GTG	977
142	Leu Ile Gly Trp Gly Phe Pro Ala Ala Phe Val Ala Ala Trp Ala Val	
143	285 290 295	
144		
145	GCA CGA GCA ACT CTG GCT GAT GCG AGG TGC TGG GAA CTT AGT GCT GGA	1025
146	Ala Arg Ala Thr Leu Ala Asp Ala Arg Cys Trp Glu Leu Ser Ala Gly	
147	300 305 310	
148		
149	GAC ATC AAG TGG ATT TAT CAA GCA CCG ATC TTA GCA GCT ATT GGG CTG	1073
150	Asp Ile Lys Trp Ile Tyr Gln Ala Pro Ile Leu Ala Ala Ile Gly Leu	
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155	330 335 340	
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157	TGG GAG ACC AAT GCA GTT GGG CAT GAC ACA AGG AAG CAA TAC AGG AAA	1169
158	Trp Glu Thr Asn Ala Val Gly His Asp Thr Arg Lys Gln Tyr Arg Lys	
159	345 350 355 360	
160		
161	CTG GCC AAA TCG ACA CTG GTC CTG GTC CTA GTC TTT GGA GTG CAT TAC	1217
162	Leu Ala Lys Ser Thr Leu Val Leu Val Leu Val Phe Gly Val His Tyr	
163	365 370 375	
164		
165	ATC GTG TTC GTG TGC CTG CCT CAC TCC TTC ACT GGG CTC GGG TGG GAG	1265
166	Ile Val Phe Val Cys Leu Pro His Ser Phe Thr Gly Leu Gly Trp Glu	
167	380 385 390	
168		
169	ATC CGC ATG CAC TGT GAG CTC TTC AAC TCC TTT CAG GGT TTC TTT	1313
170	Ile Arg Met His Cys Glu Leu Phe Phe Asn Ser Phe Gln Gly Phe Phe	
171	395 400 405	
172		
173	GTG TCT ATC ATC TAC TGC TAC TGC AAT GGA GAG GTT CAG GCA GAG GTG	1361
174	Val Ser Ile Ile Tyr Cys Tyr Cys Asn Gly Glu Val Gln Ala Glu Val	
175	410 415 420	
176		
177	AAG AAG ATG TGG AGT CGG TGG AAT CTC TCC GTG GAC TGG AAA AGG ACA	1409
178	Lys Lys Met Trp Ser Arg Trp Asn Leu Ser Val Asp Trp Lys Arg Thr	
179	425 430 435 440	
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181	CCG CCA TGT GGC AGC CGC AGA TGC GGC TCA GTG CTC ACC ACC GTG ACG	1457
182	Pro Pro Cys Gly Ser Arg Arg Cys Gly Ser Val Leu Thr Thr Val Thr	
183	445 450 455	
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185	CAC AGC ACC AGC AGC CAG TCA CAG GTG GCG GCA GCA CAC GCA TGG TGC	1505
186	His Ser Thr Ser Ser Gln Ser Gln Val Ala Ala Ala His Ala Trp Cys	
187	460 465 470	
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189	TTA TCT CTG GCA AAG CTG CCA AGA TCG CCA GCA GAC AGC CTG ACA GCC	1553
190	Leu Ser Leu Ala Lys Leu Pro Arg Ser Pro Ala Asp Ser Leu Thr Ala	
191	475 480 485	
192		
193	ACA TCA CTT TAC CTG GCT ATG TCT GGA GTA ACT CAG AGC AGG ACT GCC	1601
194	Thr Ser Leu Tyr Leu Ala Met Ser Gly Val Thr Gln Ser Arg Thr Ala	
195	490 495 500	
196		
197	TCA CAC ACT CTC TCC ACG AGG AGC AAC AAG GAA GAT AGT GGG AGG CAG	1649
198	Ser His Thr Leu Ser Thr Arg Ser Asn Lys Glu Asp Ser Gly Arg Gln	
199	505 510 515 520	
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201	AGA GAT GAT ATT CTA ATG GAG AAG CCT TCC AGG CCT ATG GAA TCT AAC	1697
202	Arg Asp Asp Ile Leu Met Glu Lys Pro Ser Arg Pro Met Glu Ser Asn	
203	525 530 535	
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205	CCA GAC ACT GAA GGA TGACAAGGAG AAACTGAGGA TGTTCTCTGA ATGGACATGT	1752

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206 Pro Asp Thr Glu Gly
207 540
208
209 GTGGCTGACT TTCATGGGCT GGTCCAATGG CTGGTTGTGT GAGAGGGCTT GGCTGATACT 1812
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211 CCTATGCTTG AGCACAAAGG CTGAAAATTC AGTTAAGGTG TTACTTAATA ATAGTTTTA 1872
212
213 GGCTCCATGA ATTGGCTCCT GTAAATACTA ACGACATGAA AATGCAAGTG TCAATGGAGT 1932
214
215 AGTTTATTAC CTTCTATTGG CATCAAGTTT TCCTCTAAAT TAATGTATGG TATTTGCTCT 1992
216
217 GTGATTGTTCA 2003
218
219
220 (2) INFORMATION FOR SEQ ID NO:2:
221
222 (i) SEQUENCE CHARACTERISTICS:
223 (A) LENGTH: 541 amino acids
224 (B) TYPE: amino acid
225 (D) TOPOLOGY: linear
226
227 (ii) MOLECULE TYPE: protein
228
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
230
231 Met Ala Trp Leu Gly Ala Ser Leu His Val Trp Gly Trp Leu Met Leu
232 1 5 10 15
233
234 Gly Ser Cys Leu Leu Ala Arg Ala Gln Leu Asp Ser Asp Gly Thr Ile
235 20 25 30
236
237 Thr Ile Glu Glu Gln Ile Val Leu Val Leu Lys Ala Lys Val Gln Cys
238 35 40 45
239
240 Glu Leu Asn Ile Thr Ala Gln Leu Gln Glu Gly Glu Gly Asn Cys Phe
241 50 55 60
242
243 Pro Glu Trp Asp Gly Leu Ile Cys Trp Pro Arg Gly Thr Val Gly Lys
244 65 70 75 80
245
246 Ile Ser Ala Val Pro Cys Pro Pro Tyr Ile Tyr Asp Phe Asn His Lys
247 85 90 95
248
249 Gly Val Ala Phe Arg His Cys Asn Pro Asn Gly Thr Trp Asp Phe Met
250 100 105 110
251
252 His Ser Leu Asn Lys Thr Trp Ala Asn Tyr Ser Asp Cys Leu Arg Phe
253 115 120 125
254
255 Leu Gln Pro Asp Ile Ser Ile Gly Lys Gln Glu Phe Cys Glu Arg Leu
256 130 135 140
257
258 Tyr Val Met Tyr Thr Val Gly Tyr Ser Ile Ser Phe Gly Ser Leu Ala

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